



U.S. Department
of Transportation
**National Highway
Traffic Safety
Administration**

ODI RESUME

Investigation: PE 04-074
Prompted By: Fleet Visit
Date Opened: 11/02/2004
Principal Investigator: Sonny Murianka
Subject: Hydraulic Fan Fittings Leaking

Manufacturer: Orion Bus Industries, Inc.
Products: 2001-2004 Orion VII Buses
Population: 2500 (Estimated)

Problem Description: A leaking hydraulic fan fitting sprays oil on hot engine components, resulting in an engine bus fire.

FAILURE REPORT SUMMARY

	ODI	Manufacturer	Total
Complaints:	6	0	6
Crashes/Fires:	1	0	1
Injury Incidents:	0	0	0
# Injuries:	0	0	0
Fatality Incidents:	0	0	0
# Fatalities:	0	0	0
Other*:	0	0	0

*Description Of Other:

Action: A Preliminary Evaluation (PE) has been opened.

Engineer: Sonny Murianka

Date: 11/02/2004

Div. Chief: Richard Boyd

Date: 11/02/2004

Office Dir.: Kathleen C. DeMeter

Date: 11/02/2004

Summary: During a transit fleet facility visit, ODI observed an Orion vii bus that had experienced an engine compartment fire. ODI randomly inspected 10 buses parked in the parking lot. Of the ten buses inspected, six were found with fittings that were leaking and spraying oil into the engine compartment and onto hot exhaust components. In addition, it was noted that the failures were only occurring on the original equipment (old-style) fitting. Oil sprayed on the exhaust of a turbocharged engine could result in a vehicle fire.

This investigation is being opened to further evaluate this issue.

Forced
11/3/04
SM